

A B S T R A C T

A pulse pattern generator (11) has a pulse
generating unit (12) and a lowpass filter (14), and the
pulse generating unit (12) includes an amplitude-value
5 setting unit (13, 13a). The pulse generating unit (12)
generates a pulse signal formed in a step-like wave in
which at least one of rise and fall of a signal is
changed in a step-like manner. The lowpass filter (14)
smoothes the pulse signal generated by the pulse
10 generating unit (11), and outputs a smoothed pulse
signal. The amplitude-value setting unit (13, 13a)
adjusts an amplitude value of a step-like wave that
forms the pulse signal in order to set a shape of an
eye waveform based on a setting value when an eye
15 pattern of the output from the lowpass filter (14) is
formed. The pulse pattern generator (11) can output
the pulse signal having a desired pulse pattern having
the predetermined eye closure from the lowpass
filter (14).